

FIG. 2A

FIG. 2B

$$\begin{array}{c} O \\ H \\ C - (CH_2)_3 - C \\ H \\ \end{array}$$

$$\begin{array}{c} O \\ H \\ C - (CH_2)_3 - C \\ H \\ \end{array}$$

$$\begin{array}{c} O \\ Glutaral dehyde \\ (GA) \\ \end{array}$$

$$\begin{array}{c} O \\ GA) \\ \end{array}$$

$$\begin{array}{c} O \\ GA) \\ \end{array}$$

$$\begin{array}{c} O \\ C - (CH_2)_3 - C \\ \end{array}$$

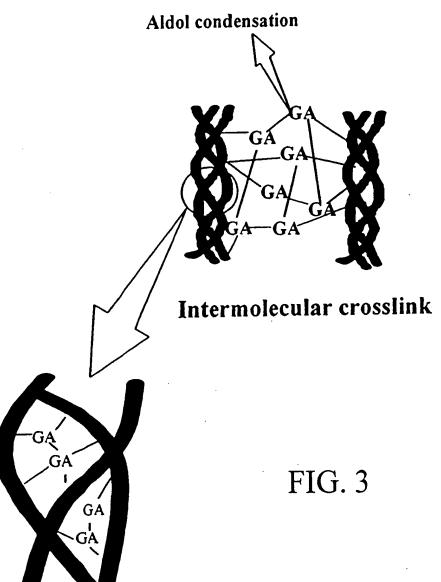
$$\begin{array}{c} O \\ GA) \\ \end{array}$$

$$\begin{array}{c} O \\ C - (CH_2)_3 - C \\ \end{array}$$

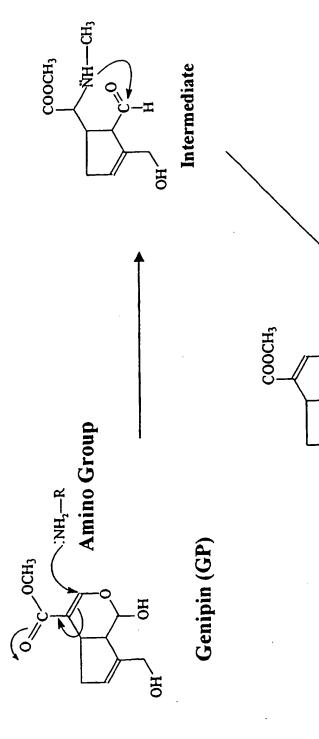
$$\begin{array}{c} O \\ H \\ \end{array}$$

$$\begin{array}{c} O \\ C - (CH_2)_3 - C \\ \end{array}$$

$$\begin{array}{c} O \\ H \\ \end{array}$$



Intramolecular crosslink



(a)

Genipin-Amino-Group Monomer

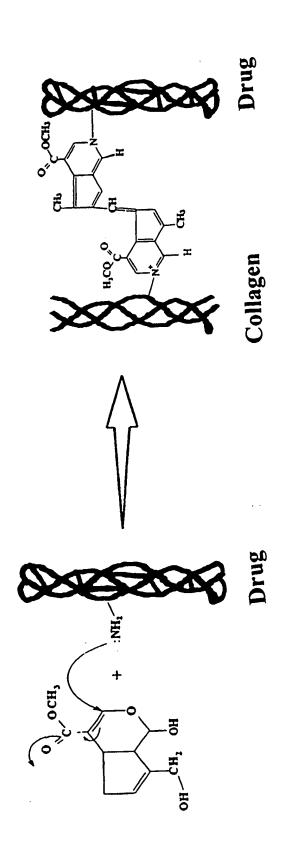
FIG. 4A

(e)

FIG. 4B

Intermolecular Crosslink

Intramolecular Crosslink



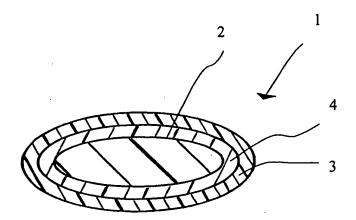


FIG. 6

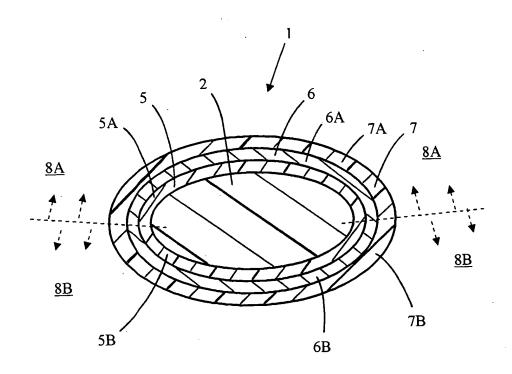


FIG. 7

FIG. &